

HIGH H_C REFERENCE LAYER STRUCTURE FOR SELF-PINNED GMR HEADS

ABSTRACT

A magnetic head having a free layer, an antiparallel (AP) pinned layer structure spaced apart from the free layer, and a high coercivity structure. The high coercivity structure pins a magnetic orientation of the AP pinned layer structure. The high coercivity structure includes a layer of high coercivity material, and an amorphous layer positioned between the high coercivity material and the AP pinned layer structure.